

Larry W. Harrington

Contact Information

607 Bradfield Hall Department of Crop and Soil Sciences Cornell University	24D Gaslight Village Apartments Ithaca, NY 14850 USA 607-280-2666
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Email: carlarsan@hotmail.com

Citizenship: USA

Date of birth: August 24, 1947

Work Experience

2009-2010

Research Director, Challenge Program on Water and Food

- Lead in the planning and design of Basin Development Challenge research programs in all CPWF
- Lead or participate in stakeholder consultation workshops, inception workshops and project design workshops in all basins
- Participate in launch and implementation of Basin Development Challenge research programs in all basins
- Basin team field visits in Mekong and Andes
- Participate in other conferences (e.g., Stockholm WWW) and training courses, (e.g., World Bank)
- Team member in CPWF Management Team fully involved in decision-making for all CPWF activities
- Management Team retreats, physical meetings, and virtual meetings
- Board meetings and presentations
- Topic Working Group conferences and meetings, e.g., for MUS
- Supervision and support for Associate Director
- Supervision and support for Andes and Mekong Basin Leaders
- Supervision and support for Basin Focal Project wrap-up and publication
- Supervision and support for Global Drivers Topic Working Group
- Represented the CPWF in CRP5 (“Mega Program”) drafting workshop
- Published seven journal articles/ book chapters.
- (Continued as Adjunct Professor, Department of Crop and Soil Sciences, Cornell University, though inactive)

2008

<i>Adjunct Professor, Department of Crop and Soil Sciences, Cornell University(from April 2008)</i>	<i>Consultant to the CGIAR Challenge Program on Water and Food (CPWF)</i>
<ul style="list-style-type: none"> • Member, Advisory Board, Cornell University AguaClara Project (CEE 455) • Assisted with teaching Ecoagriculture Seminar (NTRES 694) -teaching course on Perspectives on International Agriculture (IARD 202) with Bob Herdt and Rebecca Nelson • Interaction with students and staff 	<ul style="list-style-type: none"> • Lead author, Phase 2 planning documents for next five year \$65m phase, involves multiple documents for different audiences including IWMI BOT, CGIAR Science Council (on-going) • Lead author for synthesis papers for Basin Focal Projects in the Karkheh, Mekong, Sao Francisco, and Volta river basins (on-going) • Author of synthesis of CPWF activities and achievements through 2006 (on-going)

2007

<i>Visiting Scholar, Department of Crop and Soil Sciences, Cornell University</i>	<i>Consultant to the CGIAR Challenge Program on Water and Food (CPWF)</i>
<ul style="list-style-type: none"> • Co-taught IARD 300 with Bob Herdt and Rebecca Nelson • Gave two CIIFAD seminars • Interaction with students and staff • Three book chapters (see publications list) 	<ul style="list-style-type: none"> • Lead author, Phase 2 planning document for next five year \$65m phase(involved workshops in Dubai, Rome, Stockholm) • Member, external evaluation panel, Basin Focal Projects • Author of synthesis of CPWF activities and achievements through 2006

2006

<i>Visiting Scholar, Department of Crop and Soil Sciences, Cornell University</i>	<i>Consultant to the CGIAR Challenge Program on Water and Food (CPWF)</i>	<i>Other consultancies</i>
<ul style="list-style-type: none"> • Assisted with IARD 300 class taught by Bob Herdt and Rebecca Nelson • Gave two CIIFAD seminars • Interaction with students and staff 	<ul style="list-style-type: none"> • Member, external evaluation panel, Basin Focal Projects • Author of synthesis of CPWF activities and achievements through 2005 	<ul style="list-style-type: none"> • Member CCER (Center-Commissioned External Review) panel for ICRISAT's Global Theme on Agroecosystems • Proposal development for CIRAD/IFAD SCAP Project (Smallholder Conservation Agriculture Promotion in Western and Central Africa) • Participant in External Review of Global Partnership Projects (GPP) of GFAR (Global Forum for Agricultural Research).

2005 (March - December)

<i>Visiting Scholar, Department of Crop and Soil Sciences, Cornell University</i>	<i>Consultant to the CGIAR Challenge Program on Water and Food (CPWF)</i>	<i>Other consultancies</i>
<ul style="list-style-type: none"> • Gave two CIIFAD seminars • Draft history of conservation agriculture adoption in South Asia • Interaction with students and staff 	<ul style="list-style-type: none"> • Author of baseline report the challenges faced by the CPWF, characteristics of benchmark river basins, research approach and priorities 	<ul style="list-style-type: none"> • KASSA Project (Knowledge Assessment and Sharing on Sustainable Agriculture). My role in this European Union-funded project was to author a global synthesis of project findings on constraints and opportunities for the further development of conservation agriculture in Asia, Latin America, the Mediterranean and Europe.

January 2004 – March 2005

Director, Intensive Agroecosystems Program (IAP), CIMMYT

- Shape the structure, staffing, and research priorities of the Intensive Agroecosystems Program, a new cross-disciplinary, ecology-focused research program focusing on irrigated, densely-populated, highly productive maize or wheat based agroecosystems
- Stakeholder consultation in South, Central and East Asia
- Oversee CIMMYT's role as Convening Center of the Rice Wheat Consortium for the Indo-Gangetic Plains, a CGIAR Ecoregional Program.
- Manage CIMMYT's experiment station in Mexico near Ciudad Obregon, in the Yaqui Valley.
- Manage eighteen International Staff and numerous National Staff
- Manage USD8m+ budget, including budget development, expenditure monitoring, developing chargeback procedures, and facilitating scientist management of their own cost centers.
- Develop and submit proposals for special projects - several million dollars of project funding was obtained (this in concert with Program staff).
- Oversee the management of CIMMYT offices in Beijing, Delhi, Dhaka and Kathmandu.

1996-2003

Director, Natural Resources Program, CIMMYT

- Participate in CIMMYT's strategic planning process. Drafted Program descriptions
- Coordinate AusAID/ ACIAR Risk Management Project for drought prone maize based systems in Southern Africa.
- Oversee CIMMYT's role as Convening Center of the Rice Wheat Consortium for the Indo-Gangetic Plains, a CGIAR Ecoregional Program
- Oversee the CIRAD – CIMMYT – INIFAP – FIRA project on conservation agriculture in Mexico
- Chair the GFAR DMC Initiative – on direct sowing, mulch systems and conservation tillage
- Chair the CIMMYT Biosafety and Bioethics Committee
- Oversee the work of CIMMYT's GIS and Modeling Laboratory
- Oversee the work of CIMMYT's Soil and Plant Analysis Laboratory
- Conduct research on methods for scaling up of INRM research
- Manage ten international and numerous national staff
- Oversee CIMMYT offices in Delhi, Dhaka, Kathmandu and Lilongwe

- Develop and submit proposals for special projects

1994-1996

Acting Director, CIMMYT Economics Program

- Guide changes in the research agenda for the Economics Program after the departure of the previous director, emphasizing studies of the economics of genetic diversity and a synthesis of country studies on public-private sector interactions in maize seed industries
- Manage ten international staff, including priority setting, evaluation and salary setting, and budgeting and expenditure monitoring
- Develop and submit proposals to obtain funding for current and new Economics Program positions in Central and Southern Africa

1992-1994:

Economist, CIMMYT Economics Program/ Mexico

- Participate in research and training activities on sustainable agriculture for maize and wheat systems, including participation in research on green manure cover crops and conservation tillage in Mesoamerica, and on rice-wheat systems in South Asia.
- Participate in the global debate on sustainability indicators.

1983-1992

Regional Economist for Asia, CIMMYT Economics Program

- Organize and conduct, with partners, diagnostic surveys to set research priorities for Rice-Wheat Consortium for the Indo-Gangetic Plains
- Initiate and strengthen farming systems research programs with maize and wheat commodity research centers in Indonesia, Philippines and Thailand
- Help initiate the Asian Farming Systems Association
- Study the economics of commercial production of tropical wheat in Thailand

Earlier employment

- 1980-1983 – Training Officer, Economics Program, CIMMYT/ Mexico
- 1976-1978 – Research Assistant, USDA, East Lansing, Michigan, “Comprehensive Resource Inventory and Evaluation System”
- 1970-1974 – Peace Corps Volunteer, Huehuetenango, Guatemala

Education

- Michigan State University, Ph.D. in Agricultural Economics, 1980.

Languages

- Excellent written and spoken English and Spanish, elementary spoken French and Thai.

Publications

2009

Cook, S., M.J. Fisher, L.W. Harrington, A. Huber-Lee, A. Vidal. 2009. “Agricultural water productivity and poverty: A conceptual pathway to link global, basin and local understanding”. *Irrigation and Drainage*. 58(0), S60-S72

Harrington, L. W. and P. R. Hobbs. 2009. "Challenges and Threats to Sustainable Food Production". In *Adequate Food for All: Culture, Science and Technology in the 21st Century*, eds. Pond, Wilson, Buford Nichols, and Dan Brown (Boca Raton, FL: Taylor and Francis).

Harrington, L. and P. Hobbs. 2009. "The Rice-Wheat Consortium and the Asian Development Bank: A History. Chapter 1 in xxxx book. Los Banos: IRRI

Harrington, L. W. 2009. "Types of rainfed farming systems around the world". In *Rainfed Farming Systems*, eds. Tow, P. G., I. M. Cooper, I. Partridge, and C. J. Birch (Dordrecht, Netherlands: Springer).

Harrington, L. Cook, Simon, Lemoalle, Jacques, Kirby, Mac, Taylor, Clare and Woolley Jonathan. 2009. "Cross-basin comparisons of water use, water scarcity and their impact on livelihoods: present and future". *Water International*. 34:1, 144-154

Hobbs, P. and L. Harrington. 2009. "Crop Science and Food Production". Chapter 20 in *Adequate Food for All: Culture, Science and Technology of Food in the 21st Century*. eds. Pond, Wilson, Buford Nichols, and Dan Brown (Boca Raton, FL: Taylor and Francis).

Tow, P. G., I. M. Cooper, C. J. Birch, I. Partridge, and L. W. Harrington. 2008. Principles of a Systems Approach to Agriculture. In *Rainfed Farming Systems*, eds. Tow, P. G., I. M. Cooper, I. Partridge, and C. J. Birch (Dordrecht, Netherlands: Springer). Forthcoming.

2008

Harrington, L. W., B. Douthwaite, Cristina de Leon, and J. Woolley. 2008. Most Significant Change: Stories from the Field. Colombo, Sri Lanka, CGIAR Challenge Program on Water and Food. In Press.

Harrington, L. W., F. Gichuki, B. Bouman, N. Johnson, V. Sugunan, K. Geheb, and J. Woolley. 2008. *The CGIAR Challenge Program on Water and Food: A Synthesis of Activities and Achievements Through 2006*. Colombo, Sri Lanka, CGIAR Challenge Program on Water and Food.

2006

Harrington, L. W., F. Gichuki, B. Bouman, N. Johnson, V. Sugunan, K. Geheb, and J. Woolley. 2006. *Synthesis 2005*. 90 pp. Colombo, Sri Lanka, CGIAR Challenge Program on Water and Food.

Harrington, L. W., F. Gichuki, K. Geheb, and J. Woolley. 2006. *Baseline 2004*. Colombo, Sri Lanka, CGIAR Challenge Program on Water and Food.

Wilson, Mike, L. W. Harrington, and Marco Wopereis. 2006. The Report of the Centre Commissioned Review (CCER) on the Global Theme: Land, Water and Agrodiversity Management (Agroecosystems) - Main Report. Patancheru, Andhra Pradesh, India, ICRISAT.

2005

Harrington, L. W., R. K. Gupta, and P. R. Hobbs. 2005. From Issues to Action: A Research Strategy for Improved Livelihoods and Sustainability of Rice-Wheat Systems in the Indo-Gangetic Plains. New Delhi, India, Rice-Wheat Consortium for the Indo-Gangetic Plains.

2003

Grace, P., L. W. Harrington, M. C. Jain, and G. P. Robertson. 2003. Long-Term Sustainability of the Tropical and Sub-Tropical Rice-Wheat System - An Environmental Perspective. In *Improving the Productivity and Sustainability of Rice-Wheat Systems: Issues and Impacts*, 27-43. (Madison, WI: ASA-CSSA-SSSA).

2002

Harrington, L. W., J. White, P. Grace, D. Hodson, A. D. Hartkamp, C. Vaughan, and C. Meisner. 2002. Delivering the Goods: Scaling out Results of Natural Resource Management Research. *Conservation Ecology* 5, no. 2:19.

2001

Harrington, L. 2001. Synthesis of Systems Diagnosis: "Is the Sustainability of the Rice-Wheat Cropping System Threatened?" - An Epilogue. *Journal of Crop Production* 6, no. 3:119.

Harrington, L. 2001. Synthesis of Systems Diagnosis: Is the Sustainability of the Rice-Wheat Cropping System Threatened? *Journal of Crop Production* 3, no. 2:119-132.

1998

Harrington, L. and P. Grace. 1998. Research on Soil Fertility in Southern Africa: Ten Awkward Questions. i + 10. Mexico, D.F., CIMMYT. NRG Paper, Reprint Series 98-01.

White, W. J., O. Erenstein, L. Harrington, and K. Sayre. 1998. Long-Term research on natural resource management: a "commodity center" perspective. In *Soil Quality and Agricultural Sustainability*, ed. Lal, R., 280-287. (Chelsea, Michigan: Ann Arbor Press).

1996

Harrington, L. 1996. Diversity by Design: Conserving Biological Diversity Through More Productive and Sustainable Agroecosystems. Paper presented at the Conference on Biodiversity and Sustainable Agriculture. Ekenas, Sweden, August 14-17, 1996.

Harrington, L. W. 1996. Social science with a purpose: Towards more sustainable and productive rice-wheat systems in the Indo-Gangetic Plains through social science research. Paper presented at Crop Productivity and Sustainability - Shaping the Future. 2nd International Crop Science Congress, 17-24 November, 1996, New Delhi.

Hobbs, P., L. Harrington, C. Adhikary, G. S. Giri, S. Upadhyay, and B. Adhikary. 1996. *Wheat and Rice in the Nepal Tarai: Farm Resources and Production Practices in Rupandehi District*. Mexico, D.F.: NARC/CIMMYT.

1995

Harrington, L. 1995. Sustainability in Perspective: Strengths and Limitations of Farming Systems Research in Contributing to a Sustainable Agriculture. *Journal of Sustainable Agriculture* 5, no. 1,2:41-59.

Harrington, L., P. Jones, and M. Winograd. 1995. Operacionalizacion del Concepto de Sostenibilidad: Un Metodo Basado en la Productividad Total. In *Operacionalizacion del Concepto de Sistemas de Produccion Sostenibles*, eds. Berdegué, J. A. and E. Ramírez, 11-38. (Santiago de Chile: RIMISP).

1994

Fujisaka, S., L. Harrington, and P. Hobbs. 1994. Rice-Wheat in South Asia: Systems and Long-Term Priorities Established Through Diagnostic Research. *Agricultural Systems* 46:169-187.

Harrington, L. 1994. Assessing the Effects of Farming Systems Research and Extension: The Impact of Impact Studies. *Journal Asian Farming Systems Association* 2, no. 2:257-267.

Harrington, L. 1994. Indicators and Adoption: Economic Issues in Research on the Sustainability of Agriculture. In *World Congress of Soil Science, 15 Acapulco, México 10-16 Jul 1994*, 102-120. (Mexico, D.F.: INEGI).

Harrington, L. 1994. Sustainable Agriculture for Uplands in Asia: Direct vs. Preventive Contributions of New Technology. In *Upland Agriculture in Asia: Proceedings of a Workshop Held in Bogor, Indonesia April 6-8 1993*, eds. Bottema, J. W. T. and D. R. Stoltz, 177-194.

1993

Chaudhary, M. K. and L. Harrington. 1993. *The Rice-Wheat System in Haryana: Input-Output Trends and Sources of Future Productivity Growth*. vii, 54p. Mexico, D.F., CIMMYT. Sustainability of the Rice-Wheat System in South Asia.

Harrington, L. and D. Byerlee. 1993. CIMMYT's Contribution to the Development of On-Farm Research in Asia. 1993. Paper presented at the Regional Workshop on On-Farm Adaptive Research in Asia sponsored by UNDP/ FAO project RAS 89/040. Ho Chi Minh City, Vietnam, 18-20 February, 1993.

Harrington, L., J. Corbett, S. Chapman, and H. van Keulen. 1993. Systems Approaches for Crop Improvement and Natural Resources Management Research in CIMMYT: Past and Future. Paper presented at the Workshop on Opportunities for use of Systems Research Methods in Agriculture in Developing Countries. The Hague, Netherlands, November 22-24, 1993.

Harrington, L., S. Fujisaka, P. Hobbs, C. Adhikary, G. S. Giri, and K. eds. Cassaday. 1993. *Rice-Wheat Cropping Systems in Rupandehi District of the Nepal Terai: Diagnostic Surveys of Farmers' Practices and Problems, and Needs for Further Research*. vii, 33p. Mexico, D.F., CIMMYT/NARC/IRRI. Sustainability of the Rice-Wheat System in South Asia.

Lightfoot, C., P. Pingali, and L. Harrington. 1993. Beyond Romance and Rhetoric: Sustainable Agriculture and Farming Systems Research. *Agricultural Research and Extension Network Newsletter*, no. 28:27-31.

1992

Harrington, L. 1992. Measuring Sustainability: Issues and Alternatives. *Journal for Farming Systems Research-Extension* 3, no. 1:1-20.

Harrington, L. 1992. Sustainability, Economics and Ecology: Issues and Opportunities for IARC Social Scientists. Paper presented at the meeting of CGIAR Social Scientists, ISNAR, The Hague, August 17-20, 1992.

Harrington, L., M. Morris, P. R. Hobbs, V. Pal Singh, H. C. Sharma, R. P. Singh, M. K. Chaudhary, and S. D. eds. Dhiman. 1992. *Wheat and Rice in Karnal and Kurukshetra Districts, Haryana, India Practices, Problems and an Agenda for Action*. viii, 75p. HAU/ICAR/CIMMYT/IRRI.

Harrington, L., P. Hobbs, and K. eds. Cassaday. Methods of Measuring Sustainability Through Farmer Monitoring: Application to the Rice-Wheat Cropping Pattern in South Asia. Proceedings of the Workshop, 6-9 May, 1992 Kathmandu, Nepal. vi, 111p. 1993. Mexico, D.F., CIMMYT/IRRI/NARC. Sustainability of the Rice-Wheat System in South Asia.

Harrington, L., P. R. Hobbs, D. B. Tamang, C. Adhikari, B. K. Gyawali, G. Pradhan, B. K. Batsa, J. D. Ranjit, M. Ruckstuhl, Y. G. Khandka, and M. L. eds. Baidya. 1992. *Wheat and Rice in the Hills: Farming Systems, Production Techniques and Research Issues for Rice-Wheat Cropping Patterns in the Mid-Hills of Nepal*. x, 84p. NARC/CIMMYT.

Harrington, L., R. Krisdiana, and Herianto. 1992. On-Farm Research and Farmer Adoption of New Maize Technology in Malang District, Indonesia. Paper presented at the Asian Farming Systems Symposium, Colombo, Sri Lanka, 2-5 November, 1992.

Hobbs, P. R., G. P. Hettel, R. K. Singh, R. P. Singh, L. Harrington, V. P. Singh, and K. G. Pillai. 1992. *Rice-Wheat Cropping Systems in Faizabad District of Uttar Pradesh, India: Exploratory Surveys of Farmers' Practices and Problems and Needs for Further Research*. vi, 61p. Mexico, D.F., CIMMYT. Sustainability of the Rice-Wheat System in South Asia.

Tinh, N. H., P. X. Hao, L. Harrington, and M. Read. 1992. Winter Maize in the Red River Delta of Northern Vietnam: Problems and Prospects. Paper presented at the Asian Farming Systems Symposium, Colombo, Sri Lanka, 2-5 November, 1992.

Tiravattanasert, B., K. Vesdapunt, N. Soratana, L. Harrington, and J. Connell. 1992. *Wheat in Thailand: A Subsector Study*. Bangkok, Thailand: CIMMYT.

1991

Byerlee, D., L. Harrington, and M. Sharif. 1991. Irrigated Cropping Systems of South Asia: Technological Change and Sustainability to the Year 2000 and Beyond. First International Congress on Agricultural Strategies in the 1990s: Issues and Policies. May 7-9 1992, Islamabad, Pakistan.

Harrington, L. 1991. Is the Green Revolution Still Green? Staple Crop Systems Under Stress. Paper presented at the USAID Conference "Asia's Environment and Agriculture Initiatives: Integrating Resources for Sustainability and Profit". Colombo, Sri Lanka. September 9-13, 1991.

Harrington, L., L. Oliva, F. Duldulao, and A. Garcia. Sustainable Weed Control for Maize in Mindanao: Dealing With Carryover Effects. Paper presented at the 11th Annual AFSRE Symposium, Michigan State University, October 5-10, 1991.

Harrington, L., S. Whangthongtham, P. Witowat, R. Meesawat, and S. Suriyo. 1991. Beyond On-Farm Trials: The Role of Policy in Explaining Non-Adoption of Fertilizer on Maize in Thailand. Paper presented at the 11th Annual AFSRE Symposium, Michigan State University, October 5-10, 1991.

Hobbs, P. R., G. P. Hettel, R. P. Singh, Y. Singh, L. Harrington, and S. Fujisaka. eds. 1991. *Rice-Wheat Cropping Systems in the Tarai Areas of Nainital, Rampur, and Pilibhit Districts in Uttar Pradesh, India: Diagnostic Surveys of Farmers' Practices and Problems, and Needs for Further Research*. iv, 55p. 1991. Mexico, D.F., CIMMYT. Sustainability of the Rice-Wheat System in South Asia.

Traxler, G., M. Renkow, and L. Harrington. 1991. Assessing the Impact of New Technology: Three Levels of Analysis. *Journal Asian Farming Systems Association* 1, no. 2:227-244.

Tripp, R., P. Anandajayasekeram, D. Byerlee, and L. Harrington. 1991. FSR: Achievements, Deficiencies and Challenges for the 1990s. *Journal Asian Farming Systems Association* 1, no. 2:259-271.

1990

Fujisaka, S. and L. eds. Harrington. 1990. The Rice-Wheat Cropping Pattern in the Nepal Terai: Farmers' Practices and Problems, and Needs for Future Research. 34p. Kathmandu, Nepal, CIMMYT/IRRI.

Harrington, L. 1990. World and Regional Trends in Maize Production, Productivity and Demand. Paper presented at the Thailand National Corn and Sorghum Reporting Session. Chumphon. August, 1990.

Harrington, L., M. D. Read, D. P. Garrity, J. Woolley, and R. Tripp. 1990. Approaches to On-Farm Client-Oriented Research: Similarities, Differences, and Future Directions. CIMMYT. Bangkok.

Harrington, L., P. Hobbs, T. Pokhrel, B. Sharma, S. Fujisaka, and C. Lightfoot. 1990. The Rice-Wheat Pattern in the Nepal Terai: Issues in the Identification and Definition of Sustainability Problems. *Journal for Farming Systems Research-Extension* 1, no. 2:1-27.

Hobbs, P. R., L. W. Harrington, S. Fujisaka, B. Sharma, and T. P. Pokhrel. 1990. The Diagnostic Survey as a Tool for Developing a Relevant Research Program: A Study from the Terai of Nepal. Paper presented at Presented at the First Asian FSRE Symposium, Bangkok, Thailand, November 1990.

1989

Gijsbers, G., K. Altemeier, B. Avalos, L. Harrington, and J. Longmire. Comparative Advantage Analysis a Set of Micro-Computer Exercises. 1-81. 1989. CGPRT Centre.

Harrington, L. 1989. The Role of Social Science in Farming Systems Research and Development. Paper presented at the National Experts Symposium/ Workshop on Farming Systems Research and Development, Los Banos, 6-8 November, 1989.

Harrington, L. W., P. R. Hobbs, T. P. Pokhrel, B. Sharma, S. Fujisaka, and C. Lightfoot. 1989. The Rice-Wheat Pattern in the Nepal Terai: Issues in the Identification and Definition of Sustainability Problems. Paper presented at Presented at the Ninth Annual Farming Systems Research-Extension Symposium, University of Arkansas, Fayetteville, October 9-11, 1989.

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1988

Harrington, L. 1988. Dynamics in On-Farm Adaptive Research. In *Dynamics in On-Farm Research: Proceedings of a Workshop, Held in Malang, Indonesia, 5-9 April, 1988*, eds. Laumans, Q. J. and A. Winarto, 90-97. (Indonesia: MARIF).

Harrington, L. 1988. Planning and Setting Priorities in Adaptive Research: Adaptive Research Training Materials, CIMMYT Economics Program, Bangkok..

Harrington, L. 1988. Proceedings of: "The Workshop on the Economic Analysis of Fertilizer Response Data". Bangkok, Thailand. CIMMYT and FAO.

Harrington, L. 1998. Assessing New Technology for Sustainability: Opportunities for Economic Analysis. Paper presented at the Fourth SUAN Research Symposium, 4-7 July, 1988, Khon Kaen, Thailand.

1987

Dahlan, M., Heriyanto, Sunarsedyono, Sri Wahyuni, C. E. van Santen, J. van Staveren, and L. Harrington. 1987. *Maize On-Farm Research in the District of Malang*. vii, 41p. Malang, Indonesia. Malang Research Institute for Food Crops. MARIF Monograph Number 3.

Harrington, L. 1987. Research Resource Allocation Issues for Asian Agriculture. Paper presented at the CGPRT-CIMMYT-EEC Workshop on Research Resource Allocation and Comparative Advantage, Bogor, Indonesia, 26 October – 13 November 1987.

Harrington, L. 1987. The Data of DOA/FAO Fertilizer Trial Results for: Maize and The Results of the Analysis. CIMMYT: Bangkok

Harrington, L., R. Thiraporn, and S. Wattanuchariya. 1987. *Farm Level Profitability of Fertilizer on Maize in Thailand*. Taipei, ASPAC. Extension Bulletin No. 243.

1986

Harrington, L. 1986. Wheat and Food Self-Sufficiency. Paper presented at the Bangladesh Wheat Workshop, Dinajpur, October 1986.

Heriyanto, M. Dahlan, S. Wahyuni, Sunarsedyono, C. E. van Santen, J. van Staveren, and L. Harrington. 1986. On-Farm Palawija Research in Malang, East Java. Paper presented at the Farming Systems Research Symposium, Kansas State University, Manhattan, Kansas, October, 1986.

1985

Harrington, L. 1985. Economic Analysis of Component Technology Trials. Paper prepared for the Farming Systems Socioeconomics Research Monitoring Tour/ Workshop, Los Banos, 16-18 September, 1985.

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Harrington, L. and S. Dechates. 1985. Principles of Crop Marketing: Applications to Marketing Wheat in Thailand. Paper presented at the Annual Thai Wheat Workshop at the Northern Development Center, Chiang Mai, January 28-30, 1985.

1984

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1982

Byerlee, D. and L. Harrington. New Wheat Varieties and the Small Farmer. 1982. Paper presented to the Conference of the International Association of Agricultural Economists, Djakarta, Indonesia, August 24-Sept. 4, 1982

Byerlee, D., L. Harrington, and D. L. Winkelmann. 1982. Farming Systems Research: Issues in Research Strategy and Technology Design. *American Journal of Agricultural Economics* 64, no. 5:897-904.

Harrington, L., Q. Alam, I. Arap Rop, I. Basa, P. Rodvinij, and P. Tulachan. 1982. Maize in North Veracruz State, Mexico -- Farmer Practice and Research Opportunities. 30p. CIMMYT: Mexico, D.F. CIMMYT Economics Working Paper.

1981

Byerlee, D. and L. Harrington. 1981. Deriving Optimum Fertilizer Levels: The Naive Economist versus the Practical Farmer. CIMMYT, El Batan, Mexico. Economics Training Note.

Harrington, L. 1981. Economic Analysis of 2⁴ Factorial Agronomic Experiments. CIMMYT, El Batan, Mexico. Economics Training Note.

Harrington, L. 1981. Simple Statistics for Manual Analysis of Farm Survey Data. CIMMYT, El Batan, Mexico. Economics Training Note.

1980

Byerlee, D., L. Harrington, and P. Marko. 1980. Farmers' Practices, Production Problems and Research Opportunities in Barley Production in the Calpulalpan/Apan Valley, Mexico. 62p. Mexico, D.F., CIMMYT. CIMMYT Economics Working Paper.